

IP Sustainable future land use - Annual Meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Plenary: Update on status and achievements of DPPs

Presenter: DPP PIS

Contribution ID: 2

Type: **not specified**

Digitalizing root growth data from the archives of the Static Fertilization Experiment Bad Lauchstädt

Thursday 21 November 2024 12:15 (5 minutes)

Presenter: DIEL, Julius

Session Classification: Plenary: Update on status and achievements of Dynamic Platform Projects (DPPs)

Contribution ID: 3

Type: **not specified**

Plenary: Science Policy Interface Platform @UFZ and beyond

Presenter: VANDEWALLE, Marie

Contribution ID: 4

Type: **not specified**

Plenary: Recap Day 1 and Program Day 2

Thursday 21 November 2024 18:05 (10 minutes)

Presenters: KORELL, Lotte; KNAPP, Sonja

Contribution ID: 5

Type: **not specified**

Mapping soil profiles and measuring horizon properties of the Static Fertilization Experiment Bad Lauchstädt to improve agroecosystem modelling

Thursday 21 November 2024 12:05 (10 minutes)

Presenter: DIEL, Julius

Session Classification: Plenary: Update on status and achievements of Dynamic Platform Projects (DPPs)

Contribution ID: 6

Type: **not specified**

Soil structure and biochemical properties as function of management in a long-term fallow trial

Thursday 21 November 2024 12:20 (10 minutes)

Presenters: SCHLÜTER, Steffen; AL., et

Session Classification: Plenary: Update on status and achievements of Dynamic Platform Projects (DPPs)

Contribution ID: 7

Type: **not specified**

Root-associated microbial communities at MyDiv

Thursday 21 November 2024 12:30 (10 minutes)

Presenters: GOLDMANN, Kezia; JURBURG, Stephanie

Session Classification: Plenary: Update on status and achievements of Dynamic Platform Projects (DPPs)

Contribution ID: 8

Type: **not specified**

Towards in-depth characterization of soil micro-environments: eco-indicators and mechanisms driving soil C sequestration

Thursday 21 November 2024 12:40 (10 minutes)

Presenters: BLAGODATSKAYA, Evgenia; AL., et

Session Classification: Plenary: Update on status and achievements of Dynamic Platform Projects (DPPs)

Contribution ID: 9

Type: **not specified**

The role of hybridisation and genetic variation in the conservation of the rare and endangered plant species *Lupinus tidestromii*

Thursday 21 November 2024 13:55 (10 minutes)

Presenters: KNIGHT, Tiffany; DURKA, Walter

Session Classification: Plenary: Update on status and achievements of DPPs

Contribution ID: **10**

Type: **not specified**

Historic composition of bee communities in Leipzig and Halle

Thursday 21 November 2024 14:05 (10 minutes)

Presenters: HONCHAR, Hanna; KNIGHT, Tiffany

Session Classification: Plenary: Update on status and achievements of DPPs

Contribution ID: 11

Type: **not specified**

DeepTrees – Deep-Learning based spatiotemporal tree inventorying and monitoring from public orthoimages

Thursday 21 November 2024 14:15 (10 minutes)

Presenters: KHAN, Taimur; AL., et

Session Classification: Plenary: Update on status and achievements of DPPs

Contribution ID: 12

Type: **not specified**

In which cases does surrounding landscape structure affect agricultural yields?

Thursday 21 November 2024 14:25 (10 minutes)

Presenter: TAKOLA, Elina

Session Classification: Plenary: Update on status and achievements of DPPs

Contribution ID: 13

Type: **not specified**

Which agricultural management practices lead to win-win outcomes for biodiversity and yield?

Thursday 21 November 2024 14:35 (10 minutes)

Presenter: TAKOLA, Elina

Session Classification: Plenary: Update on status and achievements of DPPs

Contribution ID: 14

Type: **not specified**

Short Recall of 1st Day & Intro into 2nd Day

Presenters: KORELL, Lotte; KNAPP, Sonja

Contribution ID: 15

Type: **not specified**

Plenary: Keynote speech about 'Science - Science Transfer - Society'

Presenters: SETTELE, Josef; TISCHEW (TBC), Sabine

Contribution ID: 16

Type: **not specified**

Plenary: Upcoming PoF Evaluation

Presenter: SEPPELT, Ralf

Session Classification: Mingle Activity - Marketplace for scientific exchange

Contribution ID: 17

Type: **not specified**

Experiences in Science-Policy Activities in the last decade

Friday 22 November 2024 09:10 (25 minutes)

Presenter: SETTELE, Josef

Session Classification: Plenary: Keynote speech about 'Science - Science Transfer - Society'

Contribution ID: **18**

Type: **not specified**

tbc

Presenter: TISCHEW (TBC), Sabine

Session Classification: Plenary: Keynote speech about 'Science - Science Transfer - Society'

Contribution ID: 19

Type: **not specified**

The work and roles of scientists amidst a polycrisis: Personal accounts from the work on the CAP, NRL and the Green Deal

Friday 22 November 2024 09:35 (25 minutes)

Presenter: PE'ER, Guy

Session Classification: Plenary: Keynote speech about 'Science - Science Transfer - Society'

Contribution ID: 20

Type: **not specified**

Plenary: Science Policy Interface Platform @UFZ and beyond

Thursday 21 November 2024 14:45 (45 minutes)

Presenter: VANDEWALLE, Marie

Session Classification: Plenary: Science Policy Interface

Contribution ID: 21

Type: **not specified**

A few insights into PoF

Thursday 21 November 2024 11:35 (25 minutes)

Presenter: SEPPELT, Ralf

Session Classification: Plenary: A few insights into PoF

Contribution ID: 22

Type: **not specified**

AI through the lens of good scientific practice

Thursday 21 November 2024 16:00 (8 minutes)

Presenter: KNAPP, Sonja

Session Classification: Plenary: Advancing science with deep learning

Contribution ID: 23

Type: **not specified**

Deep Learning in Ecology: Theory and Application

Thursday 21 November 2024 16:08 (8 minutes)

Presenter: KHAN, Taimur

Session Classification: Plenary: Advancing science with deep learning

Contribution ID: 24

Type: **not specified**

Multispectral imaging flow cytometry for microscopic environmental monitoring tasks

Thursday 21 November 2024 16:16 (8 minutes)

Presenter: DUNKER, Susanne

Session Classification: Plenary: Advancing science with deep learning

Contribution ID: 25

Type: **not specified**

Passive acoustic monitoring of birds combined with automated recognition: ready to be rolled out?

Thursday 21 November 2024 16:24 (8 minutes)

Presenter: FRENZEL, Mark

Session Classification: Plenary: Advancing science with deep learning

Contribution ID: 26

Type: **not specified**

Evaluation off soil functions at the scale of Germany

Thursday 21 November 2024 16:32 (8 minutes)

Presenter: WOLLSCHLÄGER, Ute

Session Classification: Plenary: Advancing science with deep learning

Contribution ID: 27

Type: **not specified**

Advanced segmentation of X-ray CT images of complex soil structures using nnUNet

Thursday 21 November 2024 16:40 (8 minutes)

Presenter: WU, Mengqi

Session Classification: Plenary: Advancing science with deep learning

Contribution ID: 28

Type: **not specified**

Optimizing the allocation of agri-environmental practices to minimize trade-offs in multifunctional landscapes

Friday 22 November 2024 10:45 (8 minutes)

Presenter: BONATO, Marta

Session Classification: Plenary: Discussion on 'How AND Why to bend the curve of biodiversity loss?'

Contribution ID: 29

Type: **not specified**

AgriScape - Opportunities to improve ecosystem services in Northwest Saxony and farmer's perspectives

Friday 22 November 2024 10:53 (8 minutes)

Presenter: KAIM, Andrea

Session Classification: Plenary: Discussion on 'How AND Why to bend the curve of biodiversity loss?'

Contribution ID: 30

Type: **not specified**

Land use modulates resistance of grasslands against future climate and inter-annual climate variability in a large field experiment

Friday 22 November 2024 11:01 (8 minutes)

Presenter: KORELL, Lotte

Session Classification: Plenary: Discussion on 'How AND Why to bend the curve of biodiversity loss?'

Contribution ID: 31

Type: **not specified**

Human drivers of soil microbial responses to drought

Friday 22 November 2024 11:09 (8 minutes)

Presenter: JURBURG, Stephanie

Session Classification: Plenary: Discussion on 'How AND Why to bend the curve of biodiversity loss?'

Contribution ID: 32

Type: **not specified**

The microbial biodiversity loss

Friday 22 November 2024 11:17 (8 minutes)

Presenter: PRADA SALCEDO, Luis Daniel

Session Classification: Plenary: Discussion on 'How AND Why to bend the curve of biodiversity loss?'